

## CLIMATOLOGICAL DATA FOR JULY, 1912.

## DISTRICT No. 1, NORTH ATLANTIC STATES.

WILFORD M. WILSON, District Editor.

## GENERAL SUMMARY.

The prolonged heat and dry weather of the first half of the month, the irregular distribution of the precipitation, and the occurrence of numerous severe local storms formed the principal features of the weather for July, 1912. No well-defined storms crossed the district before the 10th, and the barometric pressure remained comparatively high until that date, particularly over the southeastern part of the country. Hence, conditions were favorable throughout the first decade for the continuance of generally fair weather with high temperatures that rapidly deprived the soil of its moisture. The dairy industry was one of the first to be affected by the dry weather, as was evidenced early in the month by an advance in the price of milk that amounted to nearly 15 per cent. During the second decade numerous disturbances, attended by heavy local and moderate general rains, furnished relief from the drought, and were followed by cool and pleasant weather, continuing throughout the remainder of the month.

The following table exhibits the leading features of meteorological interest for the various sections of the district:

States, or parts of States, within district No. 1.	Temperature.				Precipitation.				Average number of	
	Average.	Departure.	Highest.	Lowest.	Average.	Departure.	Greatest total.	Least total.	Rainy days.	Clear days.
New England.....	69.6	+0.3	101	31	3.17	-0.73	7.17	1.21	7	14
New York.....	68.3	+0.7	100	28	2.89	-1.55	5.95	1.15	9	17
Pennsylvania.....	71.5	-0.8	100	36	4.22	+0.22	9.03	1.04	11	13
New Jersey.....	73.7	0.0	100	36	3.86	-1.09	9.91	1.01	9	14
Maryland, Delaware, and District of Columbia.....	74.8	-1.0	99	46	4.99	+0.54	13.26	2.19	10	16
West Virginia.....	71.1	-0.5	100	45	6.61	+2.03	8.44	4.96	14	11
Virginia.....	74.7	-0.1	98	47	3.70	-0.54	6.58	1.47	8	13

## TEMPERATURE.

The average temperatures obtained for each of the stations and for the district as a whole would indicate that the month was one in which no unusual features were experienced. But over the greater part of the district, particularly in the Northern States, the month contained two contrasted periods of nearly equal length, the one abnormally hot, the other cool. The hot period began between the 2d and 4th and lasted until between the 15th and 17th, beginning and ending earlier in the Northern States than elsewhere. This period was considerably less severe than the hot spell of July, 1911, but the maximum temperatures were close to  $100^{\circ}$  in some sections and were generally above  $90^{\circ}$  for seven days or more. Maximum temperatures of  $101^{\circ}$  occurred at

North Bridgeton, Me., and Nashua, N. H. The heat was the direct cause of a large number of deaths and prostrations in the larger cities.

In New York and the New England States the temperature averaged above normal at nearly all stations, but farther south it averaged less than the normal. In parts of Virginia the month averaged about  $2^{\circ}$  cooler than the ordinary July, while at some stations in southern New York it was  $2^{\circ}$  to  $4^{\circ}$  warmer than usual. The mean temperatures in different sections ranged from  $78.4^{\circ}$  to  $60.1^{\circ}$ , the highest mean occurring at Eastville, Va., and the lowest at Eastport, Me.

Unusually low temperatures for July were observed on the 1st. Freezing temperatures were recorded that day at Indian Lake, Morehouseville, and New Lisbon, N. Y., and at Somerset, Vt. The minimum at Indian Lake was  $28^{\circ}$  and was the lowest for the month recorded in the district. This is the lowest temperature on record for July in the State of New York, and is probably as low as any that has been observed in the same month in the coldest parts of New England. Some very low temperatures occurred again on the 20th and some later dates.

After the 17th the temperature was almost continuously below normal, and on several dates the deficiency was  $10^{\circ}$  or more except at stations near the seacoast. At the close of the month vegetation was in need of warmer weather.

## PRECIPITATION.

As in the case of temperature the average for the district does not indicate unusual conditions, but as the weather of June and of the first decade or more of July was greatly deficient in rainfall many sections experienced serious drought before the general rainfall of the 10th and 11th. The month's rainfall for the district averaged nearly 4 inches, but there was less than the normal amount at about two-thirds of the stations. The precipitation averaged above normal in Pennsylvania, Maryland, Delaware, and West Virginia, but even in these States there was practically no rainfall earlier than the 10th except in the form of local showers that covered only small areas. The character of the weather during the first part of the month is well illustrated by the statement that in New York the rainfall for the first 12 days was less than 0.30 inch at 19 stations.

In all sections by far the greater part, probably four-fifths of the precipitation, occurred between the 11th and 21st and on the last three days of the month. Local thunderstorms were very numerous and the rainfall was quite irregularly distributed. For New York the average amount was only 2.89 inches, but in West Virginia there was an average of 6.61 inches. At individual stations the total amounts varied from 13.26 inches at Emmitsburg, Md., to 1.01 inch at Layton, N. J.

There were many instances of rainfall at excessive rates. Instances in which 2.50 inches or more rain fell within 24 hours were reported on the 12th, 14th, 15th, 17th, 18th, and 21st. Among the most interesting cases of excessive precipitation were the occurrence of 2.75 inches within 45 minutes at Scarsdale, N. Y., on the 12th, and 0.80 inch within five minutes at Long Branch, N. J., on the 14th. The number of days with 0.01 inch or more of rainfall averaged 10 for the entire district.

#### RIVER CONDITIONS.

All the large streams remained at moderately low stages throughout the month. Rivers were highest in some sections about the 22d, following the period of

heaviest rainfall, and in other places the highest stages were observed at the beginning or at the close of the month.

#### SUNSHINE.

The percentage of the possible sunshine averaged 66 for 14 representative stations, and ranged from 54 at Binghamton, N. Y., to 76 at New York City. There was an average of 305 hours of sunshine for the month, which is slightly less than the average for June, and may be accounted for by the prolonged period of partly cloudy to cloudy and showery weather of the second decade.

The average number of clear days for the district was 14, of partly cloudy days 11, and cloudy days 6.

TABLE 1.—Climatological data for July, 1912. District No. 1, North Atlantic States.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahrenheit.						Precipitation, in inches.						Sky.	Prevailing wind direction.	Observers.		
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmeasured.	Number of rainy days, 0.01 inch or more.	Number of clear days.	Number of partly cloudy days.	Number of cloudy days.		
<b>Maine.</b>																				
Bar Harbor.	Hancock.	20	26	66.0	+ 0.4	95	9	40	1	38	4.50	+ 1.79	3.00	0	4	10	10	11	sw.	William Miller.
Cornish.	York.	778	57	71.8	+ 2.8	101	10	41	1	40	4.06	- 0.13	2.20	0	8	14	9	8	w.	T. H. West.
Eastport.	Washington.	53	40	60.1	+ 0.3	89	10	46	1	34	2.25	- 1.17	0.88	0	11	8	11	12	s.	U. S. Weather Bureau.
Fairfield.	Somerset.	90	27	68.2	+ 0.3	94	10	45	1	40	3.35	- 0	1.32	0	6	12	6	13	...	E. F. Parker.
Farmington.	Franklin.	450	15	67.7	+ 0.3	97	8†	40	1	43	2.03	- 1.06	0.56	0	9	11	13	7	nw.	State Normal School.
Gardiner.	Kennebec.	163	20	69.3	- 1.5	97	8	44	1	40	2.38	- 0.87	1.84	0	7	19	6	6	sw.	Samuel D. Soule.
Greenville.	Piscataquis.	1,140	8	65.4	-	94	8	44	1†	37	3.45	- 1.07	1.14	0	11	9	15	12	s.	U. S. Weather Bureau.
Houlton.	Aroostook.	362	10	68.6	-	95	5†	50	2†	40	3.45	+ 0.75	1.10	0	7	15	9	7	s.	Bangor & Aroostook R. R.
Lewiston.	Androscoggin.	185	33	70.0	+ 0.5	96	10	47	1	35	3.03	- 0.52	1.82	0	8	20	7	4	w.	Union Water Power Co.
Madison.	Somerset.	257	9	69.1	-	99	9	42	1	43	2.83	- 1.54	0.87	0	9	10	7	14	nw.	William Jardine.
Millinocket.	Penobscot.	386	9	69.0	-	100	4†	38	1	43	2.27	- 1.38	1.05	0	8	10	17	4	se.	H. S. Ferguson.
North Bridgton.	Cumberland.	450	19	71.0	+ 1.5	101	10	47	1†	45	2.95	- 1.39	1.50	0	7	6	14	11	...	G. E. Chadbourn.
Orono.	Penobscot.	123	43	68.2	+ 0.9	95	8	38	1	38	4.60	+ 1.46	2.40	0	7	12	7	5	...	Agr. Exp. Station.
Patten.	do.	550	10	65.0	-	93d	6	35d	2	50d	3.02	- 0.75	1.00	0	5	12*	7*	sw.	Bangor & Aroostook R. R.	
Portland.	Cumberland.	99	41	68.1	+ 0.1	92	9	51	20	28	2.50	-	0.75	0	10	15	8	8	s.	U. S. Weather Bureau.
Presque Isle.	Aroostook.	3	505	68.8	+ 0.5	96	10	44	1†	40	2.22	- 1.83	0.92	0	8	22	7	2	nw.	S. L. Merriman.
Rumford Falls.	Oxford.	90	17	69.7	+ 1.2	97	8†	44	18	41	3.15	- 0.66	1.33	0	8	12	8	11	w.	Charles A. Mixer.
Winslow.	Kennebec.																		Hollingsworth & Whitney Co.	
<b>New Hampshire.</b>																				
Alstead Center.	Cheshire.	1,120	8	68.2	-	92	4	44	20	34	3.85	-	0.99	0	11	20	5	6	nw.	Frank Dewing.
Benton.	Grafton.	3	61.0	-	93	8†	43	1	33	2.70	-	1.73	0	5	17	11	3	...	State Sanatorium.	
Bethlehem.	do.	1,470	20	65.8	- 1.3	92	7†	39	1	40	2.74	- 1.36	0.86	0	8	19	10	2	sw.	Benjamin Tucker.
Concord.	Merrimack.	350	52	70.2	+ 1.1	97	8	43	1	39	2.43	- 1.36	0.67	0	7	11	14	6	nw.	U. S. Weather Bureau.
Durham.	Stafford.	85	17	68.4	- 1.5	98	7†	45	2†	40	4.14	+ 0.58	1.37	0	8	17	7	7	sw.	Agr. Exp. Station.
Franklin.	Merrimack.	440	13	70.5	-	100	8†	42	1	43	2.66	-	0.90	0	8	17	10	4	...	Dr. C. P. Webster.
Grafton.	Grafton.	863	26	68.2	-	92	4	44	20	34	3.85	-	0.99	0	11	20	5	6	nw.	P. R. Kimball.
Hanover.	do.	603	73	69.1	- 0.1	98	7†	38	1	44	2.69	- 0.97	1.55	0	8	10	16	5	nw.	Dartmouth College.
Keene.	Cheshire.	506	27	69.0	+ 0.7	97	7†	36	1	46	2.77	- 1.51	0.86	0	12	16	10	5	nw.	Samuel Wadsworth.
Nashua.	Hillsboro.	125	27	73.0	+ 2.3	101	9	44	1	38	5.43	+ 1.82	1.90	0	6	12	17	2	sw.	Jackson Co.
Newton.	Rockingham.	24	69.5	+ 0.3	99	8	39	25	41	4.87	+ 1.25	1.22	0	8	11	17	3	nw.	W. C. Gale.	
Plymouth.	Grafton.	500	24	68.2	+ 0.6	96	8†	35	1	49	3.21	- 0.21	1.46	0	7	16	3	12	w.	Hattie G. Trow.
<b>Vermont.</b>																				
Bloomfield.	Essex.	5	65.6	-	96	8†	36	1	48	2.56	-	0.64	0	8	16	7	8	s.	Lyman Falls Power Co.	
Cavendish.	Windsor.	910	5	63.9b	-	96b	7†	40b	25	44b	4.40	-	0.85	0	10	11	15*	2*	w.	M. A. Kingsbury.
Chelsea.	Orange.	840	17	66.6	- 0.6	96	6	33	1	50	1.26	- 2.88	1.00	0	4	6	17	8	n.	W. F. Dewey.
Manchester.	Bennington.	980	13	68.0	-	93	8	39	1	35	1.72	-	0.91	0	6	12	17	2	sw.	N. M. Canfield.
Somerset.	Windham.	2,096	6	63.2	-	90	8†	31	1	44	3.82	-	1.13	0	12	14	9	8	sw.	J. Albert Holmes.
St. Johnsbury.	Caledonia.	711	19	68.5	+ 0.4	96	4†	37	1	50	3.17	- 1.14	1.08	0	9	13	12	6	nw.	Fairbanks Museum.
Woodstock.	Windsor.	700	20	67.7	- 0.6	96	8	36	1	41	2.78	- 0.55	1.36	0	4	10	9	12	...	John S. Eaton.
<b>Massachusetts.</b>																				
Amherst.	Hampshire.	222	23	72.0	+ 1.5	98	8†	41	1	41	2.61	- 1.96	0.85	0	7	15	9	7	s.	Agr. Exp. Station.
Blue Hill.	Norfolk.	640	28	70.3	+ 1.1	99	9	49	24	34	4.16	+ 0.37	1.30	0	10	16	5	7	sw.	Blue Hill Observatory.
Boston.	Suffolk.	124	42	73.2	+ 1.9	99	9	56	1	27	5.16	+ 1.80	2.52	0	5	10	10	11	...	U. S. Weather Bureau.
Chestnut Hill.	do.	124	32	72.1	+ 0.5	99	9	47	1†	35	6.39	+ 2.77	2.37	0	5	...	Met. Water Board.			
Clinton.	Worcester.	370	16	72.0	-	94	9	51	24	30	3.51	-	1.79	0	5	...	Do.			
Concord.	Middlesex.	139	22	70.1	+ 0.4	97	9	41	1	38	3.49	+ 0.15	0.53	0	9	12	11	8	s.	Fred A. Tower.
Fall River.	Bristol.	200	46	71.8	+ 1.1	93	9	53	24	33	1.21	- 2.39	0.48	0	8	8	21	2	sw.	C. V. S. Remington.
Fitchburg.	Worcester.	550	29	72.2	+ 1.7	98	8†	48	20	33	3.66	- 0.56	1.33	0	6	18	8	5	nw.	Dr. A. P. Mason.
Framingham.	Middlesex.	160	32	72.6	+ 1.3	99	9	46	25	36	3.35	- 0.30	1.18	0	7	...	Met. Water Board.			
Hyannis.	Barnstable.	31	21	69.6	- 3.2	90	9	51	1	22	3.24	+ 0.44	2.50	0	6	17	10	4	sw.	C. F. Sleeper.
Lawrence.	Essex.	51	28	71.3	- 1.3	96	8†	47	25	33	3.92	+ 0.60	1.07	0	6	10	18	3	sw.	Essex Co.
Lowell.	Middlesex.	100	27	73.4	+ 1.9	98	9	44	1	37	5.51	+ 1.82	1.22	0	6	...	Props. Locks & Canals.			
Middleboro.	Plymouth.	53	26	70.0	+ 0.8	94	9	40	25	37	2.15	- 0.93	0.88	0	8	9	8	14	sw.	A. R. Gurney.
Nantucket.	Plymouth.	15	26	68.5	+ 0.5	82	9	55	1	17	4.89	+ 2.21	2.56	0	8	12	11	8	sw.	U. S. Weather Bureau.
New Bedford.	Bristol.	88	100	70.1	-	100	9	33	1	51	3.13	-	0.96	0	6	21	7	3	sw.	City Engineer.
Norfolk.	Plymouth.	244	9	69.4	-	94	10	48	24	30	3.00	-	1.44	0	8	...	Ruby H. Martyn.			
Plymouth.	Plymouth.	27	69.4	- 0.5	89	9	54	1†	21	1.87	- 1.06	0.06	0	7	7	21	0	10	sw.	Laura B. Knapp.
Provincetown.	Barnstable.	40	25	69.2	-	91	9	52	20†	26	7.10	-	2.00	0	9	9	13	9	sw.	Gideon Bowley.
Rockport.	Essex.	25	10	67.8	-	95	8	47	19	27	2.74	-	1.12	0	7	7	22	2	sw.	C. F. P. Bearse.
Rutland.	Worcester.	1,160	10	69.8	-	95	8	47	1	35	1.83	-	0.69	0	4	...	State Sanatorium.			
Turners Falls.	Franklin.	200	21	72.6	+ 2.7	96	10	43	1	35	2.49	-	2.51	0	7	...	Turners Falls Co.			
Westboro.	Worcester.	298	38	73.5	+ 1.4	99	9	45	1†	39	2.49	- 1.10	1.05	0	7	7	12	2	sw.	G. S. Newcomb.
Williamstown.	Berkshire.	711	31	69.4	+ 0.8	94	10	41	1	40	2.69	- 1.90	1.34	0	8	15	12	4	nw.	Williams College.
Worcester.	Worcester.	518	20	73.4	+ 2.0	95	9	53	24	28	4.92	+ 0.95	1.61	0	7	14	11	6	sw.	G. W. Swan.
<b>Rhode Island.</b>																				
Block Island.	Newport.	26	32	68.7	+ 0.6	82	9													

TABLE 1.—Climatological data for July, 1912. District No. 1—Continued.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahrenheit.						Precipitation, in inches.						Sky.				Prevailing wind direction.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmetted.	Number of rainy days, 0.01 inch or more.	Number of clear days.	Number of partly cloudy days.	Number of cloudy days.				
<i>New York.</i>																					
Addison.....	Steuben.....	1,000	22	70.8	+ 0.5	97	9†	37	1	46	3.64	+ 0.25	0.91	0	16	17	11	3	sw.	Dr. H. R. Ainsworth.	
Albany.....	Albany.....	97	91	73.2	+ 1.2	98	8	48	1	32	3.13	- 0.77	0.75	0	10	17	9	5	s.	U. S. Weather Bureau.	
Alfred.....	Allegany.....	1,976	17	66.9	- 0.7	91	5†	38	31	37	3.78	+ 0.46	0.88	0	14	9	6	6	w.	Prof. F. S. Place.	
Amsterdam.....	Montgomery.....	277	8	70.8	- 0.8	97	8†	43	1	39	2.93	- 1.09	0.00	0	9	19	6	6	w.	Emery Elwood.	
Athens.....	Greene.....	90	10	72.8	+ 0.6	98	8	45	1	37	1.15	- 2.08	0.28	0	7	11	16	4	sw.	E. C. Brooks.	
Ballston Lake.....	Saratoga.....	400	8	70.1	- 0.5	95	8	40	1	39	1.91	- 0.45	0	10	20	6	5	s.	George R. Schaubert.		
Bedford.....	Westchester.....	450	21	76.9	+ 4.3	99	8	43	25	50	2.03	- 2.29	0.93	0	7	22	7	2	w.	Dr. L. Rosenberg.	
Beerston.....	Delaware.....	1,214	0	67.6	- 0.3	96	8	35	1	46	3.41	- 1.10	0	12	20	6	5	nw.	John Q. Barlow.		
Binghamton.....	Broome.....	875	21	69.6	- 0.3	95	8	42	1	38	2.90	- 0.64	0.89	0	13	4	8	10	w.	U. S. Weather Bureau.	
Bouckville.....	Madison.....	1,350	15	68.2	+ 0.2	92	7	40	20	37	1.62	- 3.03	0.80	0	7	7	19	5	sw.	L. W. Griswold.	
Boyd's Corners.....	Putnam.....	560	30	71.6	- 0.6	96	9	44	1	45	3.21	- 1.53	0	10	19	4	8	sw.	Thomas Manning.		
Carmel.....	do.....	500	20	71.6	- 0.6	96	9	44	1	45	3.21	- 1.97	1.32	0	10	19	4	8	sw.	Do.	
Chatham.....	Columbia.....	470	11	72.2	+ 1.3	97	8	42	1	39	1.54	- 2.46	0.47	0	10	18	8	5	s.	Morton R. Tank.	
Cooperstown.....	Otsego.....	1,250	58	67.7	- 0.4	92	8	39	1	33	3.93	- 0.61	1.15	0	9	23	7	1	s.	Miss Elizabeth C. Keese.	
Corinth.....	Saratoga.....	542	10	70.7	+ 3.6	95	8†	40	20	41	2.97	- 1.91	1.20	0	7	16	12	3	sw.	A. M. Hollister.	
Cortland.....	Cortland.....	1,129	50	70.7	+ 0.4	93	8†	50	1	28	3.90	+ 0.55	1.54	0	9	19	9	3	sw.	F. G. Baker.	
Cutchogue.....	Suffolk.....	32	13	72.4	+ 0.4	93	8†	37	20	39	2.33	- 1.17	1.21	0	13	16	7	8	nw.	William A. Fleet.	
De Ruyter.....	Madison.....	1,300	9	66.8	0.0	93	8	47	1	34	2.57	- 1.03	0.67	0	10	18	12	1	s.	B. D. Crandall.	
Elmira.....	Chemung.....	863	29	71.1	- 1.1	95	7	44	1	31	3.14	- 0.23	0.98	0	14	7	10	sw.	Thurber A. Brown.		
Ephratah.....	Fulton.....	692	0	71.0	- 0.5	96	8	44	1	45	1.99	- 0.50	0	7	10	17	4	w.	Victor Gennett.		
Glen Falls.....	Warren.....	340	21	72.0	+ 1.1	97	7	42	1	42	3.74	- 0.28	1.64	0	7	16	4	11	n.	Prof. C. L. Williams.	
Gloversville.....	Fulton.....	850	20	69.8	+ 0.9	98	8	40	1	42	2.71	- 1.48	0.91	0	8	17	12	2	w.	W. L. McClean.	
Greenfield Center.....	Saratoga.....	314	14	70.4	+ 0.4	97	8†	42	1†	44	2.65	- 1.38	1.45	0	8	17	12	2	s.	S. E. Darrow.	
Greenwich.....	Washington.....	425	15	73.4	+ 2.9	98	4†	44	1	34	2.57	- 1.03	0.67	0	10	18	12	1	s.	Homer J. Whitecomb.	
Griffith's Corners.....	Delaware.....	2,260	12	65.8	+ 0.1	93	3†	33	1	47	2.66	- 1.22	0.82	0	9	15	12	4	w.	Harold O. Judd.	
Haskinville.....	Steuben.....	17	—	—	—	—	—	—	—	—	5.45	+ 0.74	0.90	0	13	—	—	—	—	—	W. G. Collins.
Homer.....	Cortland.....	1,096	21	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Charles C. Mortimer.
Hoosick Falls.....	Rensselaer.....	410	10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Sanford L. Cluett.
Indian Lake.....	Hamilton.....	1,705	13	65.4	+ 0.1	100	10	28	1	52	1.95	- 2.12	1.15	0	6	15	8	8	w.	Lester Sevier, Jr.	
Jeffersonville.....	Sullivan.....	1,240	9	68.4	—	95	8	37	1	42	2.94	- 1.27	0	8	20	10	1	w.	Charles Wilfert, Jr.		
Liberty.....	do.....	2,300	30	68.4	+ 1.9	91	9	43	22	35	4.76	- 0.01	2.00	0	9	17	4	10	nw.	Dr. H. M. King.	
Little Falls.....	Herkimer.....	924	14	70.4	+ 1.0	98	8	41	1	37	1.57	- 3.19	0.56	0	7	26	4	1	w.	O. J. Demster.	
Mohonk Lake.....	Ulster.....	1,245	16	70.6	+ 0.9	89	7†	50	2†	29	3.42	- 2.21	0.85	0	11	13	11	7	s.	A. K. Smiley.	
Morehouseville.....	Hamilton.....	1,697	4	64.1	—	92	8	32	1†	48	4.26	- 1.44	0	8	23	4	4	w.	Theo. C. Remonda.		
Morrisville.....	Madison.....	1,325	0	69.0	—	96	8	37	1	45	2.62	- 0.99	0	5	20	9	2	s.	Prof. I. M. Charlton.		
Mount Hope.....	Westchester.....	200	15	74.3	+ 1.2	96	9	50	20	31	4.32	- 1.18	1.22	0	7	11	18	2	—	W. A. Cornelius.	
Newark Valley.....	Tioga.....	825	25	—	—	—	—	—	—	—	1.39	- 2.81	0.30	0	9	—	—	—	—	Lyman D. Clinton.	
New Berlin.....	Chenango.....	1,090	5	—	—	—	—	—	—	—	2.44	- 0.88	0	7	—	—	—	—	—	s.	Chas. F. Sarle.
New Lisbon.....	Otsego.....	1,234	22	65.8	+ 0.3	94	8	32	1	49	2.95	- 2.08	1.15	0	7	17	4	10	sw.	G. A. Yates.	
New York City.....	New York.....	314	87	74.0	+ 0.5	93	8	58	23	33	3.26	- 1.28	1.91	0	9	14	7	10	sw.	U. S. Weather Bureau.	
North Creek.....	Warren.....	1,002	4	67.6	—	92	8	40	20	38	2.41	- 1.02	0	9	16	14	1	nw.	W. G. Kenwell.		
Northville.....	Fulton.....	742	10	—	—	—	—	—	—	—	2.33	- 1.00	0	4	—	—	—	—	—	P. C. Picard.	
Oneonta.....	Otsego.....	1,112	18	70.0	- 0.1	95	8	40	1	38	1.26	- 3.46	0.31	0	7	24	3	4	nw.	H. W. Lee.	
Oxford.....	Chenango.....	916	47	69.4	+ 1.0	91	6†	40	1	36	2.06	- 2.10	0.68	0	5	12	16	3	w.	J. P. Davis.	
Port Jervis.....	Orange.....	470	28	73.2	+ 2.0	99	8	41	1	42	1.72	- 3.60	0.59	0	12	11	15	5	sw.	W. H. Nearpass.	
Roslyn.....	Nasau.....	215	0	73.6	—	96	9	50	1	29	4.11	- 1.11	1.84	0	10	24	5	2	s.	C. H. Hechler.	
Salisbury.....	Herkimer.....	1,526	15	65.8	- 2.3	90	7	38	1	40	2.21	- 3.30	0.67	0	10	18	12	1	w.	Joseph Ryan.	
Scarsdale.....	Westchester.....	200	8	72.8	—	96	9	49	1†	31	3.95	- 2.75	0	9	22	5	4	sw.	C. H. Wilmarth.		
Setauket.....	Suffolk.....	40	27	73.3	+ 1.2	95	9	51	1	28	4.96	- 2.52	0.68	0	7	19	4	8	s.	Selah B. Strong.	
Sherburne.....	Chemango.....	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	E. B. Collins.	
Southampton.....	Suffolk.....	36	11	71.3	+ 0.5	86	16	49	1	27	3.29	+ 0.57	1.31	0	9	20	10	1	sw.	W. L. Jaggar.	
Southeast Reservoir.....	Putnam.....	310	7	—	—	—	—	—	—	—	3.15	- 1.69	—	—	—	—	—	—	—	—	Thomas Manning.
South Edmeston.....	Otsego.....	1,300	9	67.8	—	94	8	35	1	43	4.54	- 2.20	0	13	16	12	3	sw.	F. H. Bilderback.		
Spier Falls.....	Saratoga.....	400	11	71.4	+ 1.7	98	9	43	19	42	2.62	- 0.70	1.06	0	10	11	13	7	s.	George E. Fifield.	
Trenton Falls.....	Oneida.....	751	9	—	—	—	—	—	—	—	2.51	- 1.03	0	8	—	—	—	—	—	C. W. Young.	
Tribe Hill.....	Montgomery.....	268	9	—	—	—	—	—	—	—	2.20	- 0.80	0	5	—	—	—	—	—	R. S. Marshall.	
Utica.....	Oneida.....	537	46	—	—	—	—	—	—	—	2.03	- 2.59	0.65	0	10	—	—	—	—	—	W. E. Young.
Wading River.....	Suffolk.....	112	6	72.7	—	96	9	46	2	36	3.76	- 0.85	0	8	25	3	2	sw.	H. B. Fullerton.		
Wappingers Falls.....	Dutchess.....	110	22	73.2	+ 0.3	95	8	49	20	32	3.36	- 3.95	0.25	0	10	18	12	1	w.	H. C. Townsend.	
Warwick.....	Orange.....	538	18	—	—	—	—	—	—	—	1.49	- 3.22	0.65	0	8	—	—	—	—	John W. Sly.	
Waverly.....	Tioga.....	824	30	71.4	+ 1.0	99	8	36	1	47	4.91	+ 1.03	2.00	0	15	7	13	11	sw.	J. F. Shoemaker.	
Wells.....	Hamilton.....	1,000	6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Vernon E. Dewey.	
West Berne.....	Albany.....	946	13	69.0	- 0.6	97	8	33	1	46	3.56	- 0.58	1.75	0	7	11	13	7	se.	W. J. Haverly.	
West Point.....																					

TABLE 1.—*Climatological data for July, 1912. District No. 1—Continued.*

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahrenheit.					Precipitation, in inches.					Number of rainy days, 0.01 inch or more.	Number of clear days.	Number of partly cloudy days.	Number of cloudy days.	Prevailing wind direction.	Observers.						
				Mean.	Highest.	Lowest.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmeasured.														
<b>Pennsylvania—Contd.</b>																									
Scranton.....	Lackawanna.....	805	12	71.8	0.0	94	10	46	20	35	2.11	-1.72	0.77	0	12	11	11	9	s.	U. S. Weather Bureau.					
Selinsgrove.....	Snyder.....	455	24	72.2	-1.5	97	8	43	1	40	8.64	+4.23	2.05	0	14	0	18	13	se.	J. M. Boyer, C. E.					
State College.....	Center.....	1,191	24	70.0	-0.7	93	8	45	1	31	4.22	+0.30	1.44	0	12				se.	Prof. Wm. Frear.					
Towanda.....	Bradford.....	754	17	70.2	-0.7	93	8	41	1†	40	2.99	-0.87	1.46	0	12	18	5	8	s.	Hiram E. Bull, C. E.					
Wellsville.....	Tioga.....	1,327	35	69.6	-0.7	94	8†	36	1	46	3.01	-0.64	0.98	0	11	16	12	3	sw.	O. L. White.					
West Chester.....	Chester.....	455	58	74.4	+0.2	95	8	56	20†	27	4.11	-0.81	1.08	0	9	15	5	5	s.	J. C. Green, D. D. S.					
Williamsport.....	Lycoming.....	530	22	72.6	-0.5	93	9	48	1	32	3.22	-0.78	0.82	0	10	20	6	5	nw.	Henry H. Guise.					
<b>New Jersey.</b>																									
Atlantic City.....	Atlantic.....	16	39	72.0	-0.5	85	29	55	1	22	5.91	+2.13	2.55	0	9	16	9	6	sw.	U. S. Weather Bureau.					
Bayonne.....	Hudson.....	50	22	74.4	0.0	98	9	53	1	30	3.46	-1.67	1.92	0	8	15	10	6	se.	Erskine R. Eadie.					
Belvidere.....	Warren.....	289	22	74.0	+1.3	98	9	49	1	35	3.15	-3.45	0.56	0	9	18	7	7	se.	Samuel J. Hixson.					
Bergen Point.....	Hudson.....	37	15	74.1	+0.7	97	9	55	28	30	4.14	-1.37	1.89	0	7	10	14	7	sw.	Dr. Wm. H. Mitchell.					
Boonton.....	Morris.....	230	22	75.5	-1.6	98	10	52	1	33	3.91	-0.52	1.15	0	10	15	8	8	w.	Foster Peer.					
Bridgeton.....	Cumberland.....	30	31	75.5	-1.6	98	10	52	1	33	3.91	-0.52	1.15	0	11	15	8	8	w.	Henry A. Jorden.					
Burlington.....	Burlington.....	12	26	72.4	-0.1	98	9	55	28	30	4.14	-1.37	1.89	0	10	15	9	7	nw.	D. S. B. McCoy.					
Cape May City.....	Cape May.....	17	34	72.4	-1.0	86	9	55	1	19	3.58	-0.20	1.80	0	10	16	10	5	s.	U. S. Weather Bureau.					
Charlotteburg.....	Passaic.....	719	20	71.0	+1.5	96	8†	36	1	43	2.10	-2.78	0.55	0	7	16	8	7	sw.	George L. Briggs.					
Chatham.....	Morris.....	234	10	74.4	-2.1	95	9†	54	1†	32	3.71	-1.20	1.30	0	9	13	14	4	sw.	M. A. Butler.					
Clayton.....	Gloucester.....	126	19	74.1	-1.9	95	9†	52	2	42	8.73	+4.46	2.58	0	9	14	11	6	sw.	Wm. T. Farley.					
Culvers Lake.....	Sussex.....	848	11	72.4	-0.1	97	9	43	1	37	2.87	-2.09	0.66	0	12	18	8	5	e.	Brice E. Riker.					
Dover.....	Morris.....	600	28	71.5	+0.1	97	9	43	1	37	1.91	-3.57	0.67	0	7	13	9	9	se.	William C. Harris.					
Elizabeth.....	Union.....	45	33	73.4	-2.1	98	9	47	1	36	4.00	-1.26	1.63	0	10	14	10	7	w.	L. B. Bonnett.					
Flemington.....	Hunterdon.....	140	24	74.2	+0.3	98	8	51	1	35	3.28	-1.68	1.00	0	10	15	10	6	sw.	Hiram E. Deats.					
Haddonfield.....	Camden.....	75	25	73.4	-2.1	95	9†	54	1†	32	4.68	+0.38	1.52	0	9	13	14	4	nw.	Charles F. Richardson.					
Hammonton.....	Atlantic.....	103	14	74.4	-1.9	95	9†	52	2	42	8.43	+1.74	1.48	0	10	16	8	7	sw.	Orville Bassett.					
Hightstown.....	Mercer.....	119	20	74.4	+0.4	99	9†	47	1	36	2.81	-3.16	1.15	0	7	16	8	7	sw.	Ernst Wenger.					
Highwood.....	Bergen.....	90	25	72.4	-0.1	96	9	44	1	37	2.17	-4.10	0.47	0	9	15	7	7	sw.	Charles J. Bates.					
Imlaystown.....	Monmouth.....	107	24	74.4	-0.8	98	9†	50	1†	37	4.54	-0.48	2.12	0	10	15	9	7	sw.	Dr. Fred C. Price.					
Indian Mills.....	Burlington.....	76	23	73.4	-1.7	98	8	46	1	37	8.06	+4.00	2.90	0	9	15	12	4	sw.	James Armstrong.					
Jersey City.....	Hudson.....	10	14	76.2	+1.5	98	9	57	1†	27	3.54	-1.24	1.93	0	10	12	12	7	sw.	Samuel K. Pearson, jr.					
Lakewood.....	Ocean.....	54	10	72.8	-0.3	95	9	49	2	33	5.70	+1.20	2.22	0	12	15	9	7	sw.	Ralph Robertson.					
Lambertville.....	Hunterdon.....	95	25	74.4	-0.1	95	8†	52 <sup>a</sup>	1†	31 <sup>a</sup>	2.44	-2.60	0.77	0	9	15	9	7	sw.	William R. Bowe.					
Layton.....	Sussex.....	550	13	71.3	+1.1	96	8	38	1	48	1.01	-3.42	0.32	0	10	51	10	6	s.	Warren C. Hursh.					
Little Falls.....	Passaic.....	175	10	72.4	-0.1	98	8	43	1	33	3.43	-2.16	0.76	0	9				w.	A. Sweetman.					
Long Branch.....	Monmouth.....	30	5	72.4	-0.1	97	11	31	1	33	4.33	-2.37	0.53	0	8				s.	William D. Martin, jr.					
Mahwah.....	Bergen.....	312	10	72.4	-0.1	96	9†	53	1	32	5.79	+1.21	2.52	0	7	14	10	7	se.	Charles L. Barker.					
Moorestown.....	Burlington.....	75	50	74.6	-0.2	96	9†	53	1	32	5.79	+1.21	2.52	0	7	14	10	7	sw.	George L. Gillingham.					
Newark.....	Essex.....	159	69	75.6	+1.3	99	8	55	1	33	4.21	-0.52	1.10	0	10	13	10	8	sw.	Prof. William Wiener.					
New Brunswick.....	Middlesex.....	100	59	74.2	-0.1	98	8	50	1	33	4.49	+0.09	1.20	0	11	19	8	7	w.	George B. Thrasher.					
Newton.....	Sussex.....	678	33	72.8	+0.9	95	8	46	1	37	2.81	-1.89	0.78	0	9	14	10	7	w.	F. Vernon Lossee.					
Northfield.....	Atlantic.....	5	41	75.5	+1.2	99	9	51	1	33	1.82	-3.51	0.51	0	10	9	18	4	sw.	William L. Flick.					
Paterson.....	Passaic.....	80	41	75.5	+1.2	99	9	51	1	33	1.82	-3.51	0.51	0	10	9	18	4	sw.	Heber A. Probert.					
Phillipsburg.....	Warren.....	363	22	74.2	+0.2	98	9	50	1	34	2.74	-2.11	1.49	0	11	18	7	6	w.	D. W. Smith.					
Plainfield.....	Union.....	100	26	74.1	+0.2	98	8†	49	1	34	5.49	+0.09	1.20	0	11	19	8	4	sw.	John Neale.					
Pleasantville.....	Atlantic.....	26	14	74.4	-0.1	98	8†	50	1	33	6.67	+2.53	2.20	0	8	15	9	7	sw.	Lincoln Van Gilder.					
Pompton Plains.....	Morris.....	195	10	72.8	-0.1	95	8	46	1	37	3.34	-2.21	1.04	0	8				w.	M. S. Taylor.					
Somerville.....	Somerset.....	60	29	73.7	-0.2	99	9	49	1	37	3.74	-1.39	2.06	0	7	14	10	7	sw.	A. A. Macdonald.					
Sussex.....	Sussex.....	442	22	72.4	+0.7	96	8	43	1	38	3.22	-2.30	1.01	0	10	15	9	7	sw.	George Dymock.					
Trenton.....	Mercer.....	63	41	75.5	-0.6	100	8	52	1	32	3.21	-2.14	1.32	0	9	15	8	8	sw.	James L. Bennett.					
Tuckerton.....	Ocean.....	23	19	72.4	-1.7	95	9	47	2	33	6.25	+2.35	2.57	0	10	18	7	6	sw.	Frank R. Austin.					
Woodbine.....	Cape May.....	43	21	74.0	+0.1	94	8†	44 <sup>a</sup>	1	36 <sup>a</sup>	9.91	+5.98	3.05	0	11				sw.	Prof. O. E. Williams.					
<b>Maryland.</b>																									
Annapolis.....	Anne Arundel.....	45	40	77.7	-0.6	94	7	61	28	26	4.59	-0.50	1.75	0	10	20	0	10 <sup>a</sup>	s.	U. S. Naval Academy.					
Baltimore.....	Baltimore.....	115	42	76.5	-0.8	94	8	61	1	23	5.96	+1.14	1.23	0	10	12	13	6	s.	U. S. Weather Bureau.					
Cambridge.....	Dorchester.....	25	14	74.4	-1.5	91	8†	55	28	26	4.25	+0.04	2.04	0	8	16	9	6	sw.	T. E. Keenan.					
Cheltenham.....	Prince George.....	230	12	74.4	-0.2	94	8†	55	28	26	4.25	+0.04	2.04	0	8	18	10	3	sw.	George Hartnell.					
Chestertown.....	Kent.....	80	27	75.7	-0.2	94	10†	52	1	29	4.92	+0.76	2.37	0	8	18	10	3	sw.	M. W. Thomas.					
Chewsville.....	Washington.....	530	15	73.6	-0.9	94	8†	51	28	34	5.12	+1.26	2.25	0	13	12	18	1	ne.	D. Paul Oswald.					
Coleman.....	Washington.....	650	15	71.9	-1.9	94	14	54	2	27	5.70	+1.44	1.95	0	11	15	11	5	sw.	W. W. Frantz.					
College Park.....	Prince George.....	80	14	75.7	-1.2	95	10	58	1	29	3.33	-1.25	0.63	0	10	20	3	3	sw.	J. S. Harris.					
Cumberland.....	Prince George.....	170	22	75.0	-0.3	94	10†	52	28	34	5.13	+0.48	1.72	0	10	4	25	2	sw.	Prof. H. J. Patterson.					
Allegany.....																									

TABLE 1.—Climatological data for July, 1912. District No. 1—Continued.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahrenheit.						Precipitation, in inches.						Sky.	Prevailing wind direction.	Observers.		
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmetted.	Number of rainy days, 0.01 inch or more.	Number of clear days.	Number of partly cloudy days.	Number of cloudy days.		
<i>Maryland—Continued.</i>																				
Solomons.....	Calvert.....	20	21	78.2	- 0.1	97	10†	64	2†	26	2.33	- 2.15	0.82	0	12	3	12	16	sw.	Dr. W. H. Marsh.
State Sanatorium.....	Frederick.....	1,460	4	71.4	.....	90	9	46	25	31	5.69	.....	1.12	0	8	12	15	4	sw.	Superintendent.
Sudlersville.....	Queen Anne.....	65	13	75.2	- 1.4	96	10	51	1	34	2.72	- 2.43	0.59	0	8	20	5	6	s.	Henry L. Highman.
Takoma Park.....	Montgomery.....	320	14	71.9*	- 3.4	90	8†	59*	1†	30*	5.31	+ 0.18	2.20	0	10	2	22	7	.....	L. M. Mooers.
Taneytown.....	Carroll.....	450	13	73.9	- 2.3	98	9†	52	28	36	5.20	+ 0.56	1.72	0	7	23	4	4	sw.	Curtis H. Reid.
Towson.....	Baltimore.....	465	4	73.8	.....	94	9	53	1	28	4.08	.....	1.40	0	12	20	7	4	se.	C. W. E. Treadwell.
Van Bibber.....	Harford.....	100	15	74.5	- 1.4	94	8†	53	1†	33	3.78	- 1.23	1.05	0	7	21	4	6	.....	W. Benj. Ford.
Westernport.....	Allegany.....	1,000	18	73.1	- 0.2	95	15	52	28	35	5.73	+ 1.70	1.76	0	9	23	5	3	w.	Prof. O. H. Bruce.
Westminster.....	Carroll.....	860	19	73.9	- 0.2	94	8	51	28	33	5.34	+ 0.06	1.29	0	12	23	5	3	w.	Prof. Geo. F. Morelock.
Woodstock.....	Baltimore.....	392	38	76.9	+ 1.8	94	8	59	1†	26	3.59	- 0.03	1.18	0	12	17	7	7	w.	Rev. J. F. Dawson, S. J.
<i>Delaware.</i>																				
Delaware City.....	Newcastle.....	10	10	74.2	.....	94	10	56	3†	37	5.17	.....	1.12	0	11	27	1	3	sw.	H. Morton Price.
Dover.....	Kent.....	40	24	75.6	- 1.2	96	8	51	1	20	2.28	- 2.58	0.60	0	7	17	7	7	sw.	W. C. Josting.
Milford.....	do.....	20	28	76.0	- 0.8	97	8	52	1†	29	3.89	+ 0.15	1.04	0	10	19	8	4	sw.	Chas. J. Holzmueller.
Millsboro.....	Sussex.....	20	20	75.6	- 0.7	98	16†	47	2	35	5.08	+ 0.02	1.79	0	9	22	5	4	sw.	Rev. L. W. Wells.
Seaford.....	do.....	40	21	74.4	- 1.8	92	8	51	1†	30	4.73	- 0.41	2.00	0	8	26	4	1	sw.	E. B. Brown.
Wilmington.....	Newcastle.....	86	1	76.8	.....	96	9	59	23	25	5.51	+ 1.07	2.15	0	8	25	4	2	se.	Alexander J. Taylor.
<i>District of Columbia.</i>																				
Washington.....	District of Columbia.....	112	42	75.8	- 1.0	94	14	60	20	27	7.21	+ 2.56	2.93	0	11	19	7	5	s.	U. S. Weather Bureau.
<i>Virginia.</i>																				
Culpeper.....	Culpeper.....	450	4	73.9	.....	92	8†	52	27	32	5.03	.....	1.20	0	7	14	16	1	s.	Col. H. C. Burrows.
Dale Enterprise.....	Rockingham.....	1,350	33	72.5	- 1.4	95	16	47	28	41	3.10	- 1.32	0.92	0	11	5	23	3	s.	Rev. L. J. Heatwole.
Eastville.....	Northampton.....	15	2	78.4	- 0.1	98	17	58	20	27	1.47	- 3.03	0.74	0	6	18	12	1	sw.	T. B. Robertson.
Fredericksburg.....	Spotsylvania.....	100	23	74.8	- 2.3	92	8	58	20†	26	6.58	+ 2.00	2.67	0	10	20	9	2	s.	S. G. Howison.
Lincoln.....	Loudoun.....	500	11	74.8	- 1.1	100	18	54	28	36	3.58	- 0.20	1.00	0	8	36	8	nw.	Dr. Geo. Roberts.	
Mount Weather.....	do.....	1,726	8	70.0	- 1.4	86	8	56	20	23	4.11	- 0.55	1.03	0	10	9	14	8	nw.	U. S. Weather Bureau.
Onancock.....	Accomac.....	20	1	76.4	.....	94	18	52	2	27	1.78	.....	0.83	0	4	17	13	1	s.	S. F. Rogers.
Quantico.....	Prince William.....	16	15	75.6	- 1.1	94	14	54	20†	30	4.73	.....	3.90	0	7	22	8	1	ne.	Rich., Fred'burg & Potomac.
Saintsonton.....	Augusta.....	1,380	20	74.7	+ 0.6	91	14†	54	28	31	3.48	- 0.28	1.45	0	8	3	21	7	sw.	Ernest Nothnagel.
Winchester.....	Frederick.....	717	1	75.3	.....	95	15	58	2†	27	2.45	.....	1.01	0	6	17	9	5	sw.	Bently Kern.
Woodstock.....	Shenandoah.....	927	16	75.4	- 0.5	97	14	55	28	31	4.31	+ 0.86	2.10	0	10	8	18	5	w.	Mrs. A. G. Artz.

\*, b, o, etc., indicate respectively 1, 2, 3, etc., days missing from the record.

\*\* Temperature extremes are from observed readings of the dry bulb; means are computed from observed readings.

† Also on other dates.

T. Precipitation is less than 0.01 inch or melted snow.

TABLE 2.—*Daily precipitation for July, 1912. District No. 1, North Atlantic States.*

TABLE 2.—*Daily precipitation for July, 1912. District No. 1—Continued.*

TABLE 2.—*Daily precipitation for July, 1912. District No. 1—Continued.*

TABLE 2.—*Daily precipitation for July, 1912. District No. 1—Continued.*

\* Precipitation included in that of the next measurement.

† Separate dates of falls not recorded.

II Precipitation for the 24 hours ending on the morning when it is measured.  
T Precipitation is less than 0.01 inch rain or melted snow.

1. Precipitation is less than 0.01 inch rain or melted snow.

TABLE 3.—*Maximum and minimum temperatures for July, 1912. District No. 1, North Atlantic States.*

Date.	Maine.										Concord, N. H.	Massachusetts.								Provi- dence, R. I.	Connecticut.						
	Eastport.		Greenville.		Orono.		Portland.		Presque Isle.			Amherst.		Boston.		Middle- boro.		Nan- tucket.			Cream Hill.		Hartford.				
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.		Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.		Max.	Min.	Max.	Min.			
1....	69	46	69	44	73	38	72	53	74	44	78	43	82	41	71	56	76	40	72	55	78	51	77	43	80	43	
2....	85	55	82	52	84	48	81	53	84	48	86	48	87	52	85	61	82	55	72	57	84	60	82	56	84	59	
3....	83	59	89	52	90	52	85	62	92	52	92	53	94	56	92	65	88	58	72	60	89	64	87	57	90	61	
4....	73	50	90	58	92	54	84	64	93	57	95	58	96	60	94	67	87	60	73	61	90	63	86	62	90	65	
5....	59	50	86	62	91	61	84	66	90	66	93	67	93	66	91	68	88	65	76	62	85	66	89	63	88	67	
6....	65	51	84	62	88	60	78	64	92	68	93	67	93	65	90	68	82	62	78	63	85	65	87	61	87	67	
7....	71	50	92	64	92	61	87	66	93	68	95	67	94	64	93	70	85	64	80	64	86	66	89	63	89	67	
8....	86	52	94	70	95	63	86	67	94	68	97	68	95	69	94	72	87	69	81	65	83	70	93	61	96	69	
9....	80	54	88	66	94	64	92	68	94	68	96	66	98	67	99	78	94	63	82	67	96	74	94	62	95	67	
10....	89	55	91	69	92	66	92	74	96	68	96	70	97	66	97	76	91	65	78	67	93	72	91	68	94	72	
11....	68	51	80	67	93	67	85	71	83	70	89	70	89	71	90	70	90	68	76	67	90	71	86	67	89	72	
12....	68	56	80	58	88	61	74	64	81	66	86	63	89	68	72	64	75	68	74	64	78	65	81	66	87	70	
13....	69	49	80	54	84	48	70	59	78	65	82	63	84	69	81	63	81	62	74	62	76	62	77	66	80	67	
14....	55	50	78	60	78	61	76	61	84	66	81	67	84	70	81	68	75	66	76	66	77	68	81	64	81	68	
15....	64	50	86	57	89	66	82	62	90	66	87	66	88	69	85	71	82	70	79	68	85	69	84	66	88	70	
16....	66	52	76	57	83	67	87	65	78	58	82	62	84	67	92	69	90	71	75	66	90	68	81	69	87	71	
17....	71	51	75	47	77	46	70	56	78	48	78	56	81	53	70	64	74	63	71	62	78	65	82	68	80	63	
18....	68	51	79	47	80	49	67	60	80	56	73	62	74	68	70	63	79	63	74	63	77	66	80	66	81	68	
19....	73	53	65	56	76	58	73	56	70	54	74	53	76	52	79	62	79	69	80	65	77	59	73	60	76	61	
20....	70	50	72	49	70	48	74	51	75	44	79	46	79	44	79	57	75	48	70	62	74	55	72	48	75	53	
21....	62	49	68	44	76	46	63	56	66	48	64	56	67	60	70	61	71	60	73	63	68	57	72	63	68	63	
22....	59	51	64	53	73	53	74	55	70	57	75	56	80	58	79	62	78	63	73	63	79	62	80	58	80	62	
23....	58	52	59	50	64	53	68	54	66	53	69	52	72	52	73	57	72	61	71	55	71	52	72	57	71	57	
24....	57	52	66	50	67	49	74	53	72	53	75	50	80	45	79	57	76	73	60	77	53	75	57	77	53	77	
25....	66	54	66	51	70	53	72	56	73	56	76	45	81	44	75	58	77	40	74	59	78	54	80	50	80	50	
26....	63	51	68	53	72	48	72	55	76	49	79	49	83	53	79	62	79	48	70	58	80	56	74	60	81	59	
27....	67	54	69	51	77	53	76	58	73	54	74	52	78	54	78	63	77	51	75	60	75	52	76	61	80	61	
28....	70	53	63	50	78	50	78	53	68	50	78	49	85	50	84	58	81	51	75	56	82	53	85	56	85	56	
29....	58	52	60	54	77	53	73	60	70	56	81	63	80	65	78	67	78	66	71	65	79	67	73	60	80	65	
30....	61	54	69	52	75	55	67	57	73	53	78	50	80	59	83	62	70	61	77	58	71	60	80	63	74	61	
31....	62	54	66	45	76	54	58	53	70	55	72	52	74	52	72	61	79	51	73	60	79	61	71	58	74	58	
Mns.	68.2	52.0	75.9	54.9	81.1	55.3	76.6	59.7	.....	79.9	57.7	82.4	58.0	84.6	59.3	82.0	64.5	80.8	59.2	74.5	62.5	81.5	62.9	80.2	60.1	83.2	63.0

Date.	New Jersey.								Martins- burg, W. Va. §§	Maryland.								Millsboro, Del.	Washington, D. C.	Virginia.									
	Bridgeton.		Hights- town.		Phillips- burg.		Sussex.			Baltimore.		Darling- ton.		Frederick.		Western- port.					Fredericks- burg.		Staun- ton. §§		Wood- stock.				
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.		Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.			Max.	Min.	Max.	Min.						
1....	82	52	81	47	81	50	80	43	77	57	76	61	79	55	79	58	73	61	79	48	75	63	74	60	72	63			
2....	84	53	85	50	86	53	85	52	88	58	79	66	81	55	84	60	84	55	81	47	81	64	80	60	86	71			
3....	90	61	89	55	91	57	90	56	92	63	83	67	84	60	92	60	87	62	88	53	86	61	85	61	90	61			
4....	94	67	94	64	94	62	92	64	95	66	88	66	90	66	94	67	86	62	85	65	89	67	87	65	91	64			
5....	93	68	93	64	93	68	90	68	95	69	87	72	93	67	93	68	83	67	91	71	87	67	85	66	87	68			
6....	92	63	93	62	94	66	90	65	89	64	87	70	83	63	90	64	88	65	84	60	85	62	85	61	89	61			
7....	93	60	95	59	95	62	92	62	95	65	87	70	90	63	93	69	90	61	85	62	87	61	87	62	89	62			
8....	97	67	96	68	97	65	96	64	98	65	94	74	92	66	96	72	93	67	93	69	92	67	89	64	95	65			
9....	97	72	99	69	98	69	94	68	100	69	93	72	92	69	96	69	90	64	96	71	92	68	99	66	94	65			
10....	98	72	99	70	96	70	94	68	95	69	94	73	89	68	96	70	93	67	97	72	92	69	90	68	99	70			
11....	93	71	94	70	93	69	89	67	88	68	89	72	89	68	90	69	88	67	94	73	90	68	87	66	91	67			
12....	92	68	90	67	91	65	88	68	95	67	8																		

TABLE 3.—Maximum and minimum temperatures for July, 1912. District No. 1—Continued.

Date.	New Haven, Conn.		New York.										Pennsylvania.										Atlantic City, N. J.									
			Addison.		Albany.		Binghamton.		Indian Lake.		Little Falls.		New York.		Everett.		Harrisburg.		Philadelphia.		Scranton.		State College.		Wellsboro.							
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.						
1....	76	51	83	37	80	48	80	42	80	28	78	41	75	59	72	57	78	53	77	61	81	49	76	45	82	36	72	55				
2....	82	58	88	47	86	60	85	53	87	36	88	53	79	61	80	51	81	63	82	61	85	56	81	58	88	47	72	62				
3....	88	61	89	57	92	63	90	60	90	40	93	58	83	63	85	57	87	63	86	64	92	57	85	59	89	56	74	65				
4....	88	64	90	63	94	70	86	66	91	58	90	67	85	66	88	69	90	68	89	66	86	59	86	62	76	68	74	66				
5....	82	66	94	63	90	72	90	67	90	57	94	65	81	67	80	64	85	71	89	69	87	67	83	64	89	61	76	69				
6....	84	67	92	64	94	71	90	67	95	60	95	77	83	68	85	61	87	67	89	69	86	66	87	60	88	60	78	68				
7....	84	66	94	57	95	71	91	63	99	53	96	78	84	69	88	58	90	90	91	94	64	90	59	92	55	77	69	83	69			
8....	92	70	95	64	98	72	95	63	93	57	98	64	93	70	89	60	92	70	95	72	94	63	93	65	94	60	80	70	83	69		
9....	95	73	97	66	96	69	90	70	90	60	93	56	93	75	88	62	92	73	93	74	92	69	93	66	94	63	80	70	83	69		
10....	90	74	87	66	93	70	88	68	100	58	94	57	91	74	87	65	91	73	94	74	94	68	90	66	90	61	78	70	77	71		
11....	90	72	85	65	86	69	81	67	90	50	84	67	89	72	82	65	86	68	88	70	80	68	83	66	84	60	85	69	80	69		
12....	83	71	85	63	88	69	83	64	91	54	85	60	87	71	84	62	87	67	90	70	85	68	83	61	85	61	80	69	83	61		
13....	74	66	89	59	79	65	85	59	84	45	89	56	75	70	87	62	90	70	87	71	87	64	88	61	88	59	81	70	83	69		
14....	80	70	89	69	82	70	84	69	87	65	88	67	85	71	86	64	91	73	91	72	84	74	84	66	87	67	78	72	80	72		
15....	85	70	97	65	89	70	89	68	90	54	91	68	84	71	83	65	89	69	87	73	89	67	88	67	90	63	77	71	80	69		
16....	91	71	82	61	79	61	79	64	87	58	78	60	91	70	87	64	91	72	94	75	79	71	82	65	80	63	82	69	80	69		
17....	75	66	90	51	84	57	86	63	80	36	85	56	81	69	88	65	88	71	86	73	87	66	85	65	85	58	78	67	83	67		
18....	80	69	85	65	79	65	81	61	85	45	87	61	79	70	88	66	77	69	80	70	83	68	75	65	83	64	80	78	68	83	64	
19....	79	60	76	54	75	57	66	48	80	50	75	52	76	64	75	59	76	64	79	65	70	62	71	55	73	54	80	63	77	63		
20....	73	56	75	42	78	51	75	43	75	33	79	44	73	60	68	53	70	57	74	59	75	46	65	50	80	42	75	60	75	59		
21....	73	66	77	58	71	61	73	60	77	45	67	57	75	68	72	55	70	63	79	66	71	61	68	55	75	57	76	68	72	63		
22....	82	64	79	56	78	62	72	55	70	46	70	52	80	64	78	57	83	67	75	58	78	62	77	60	83	68	78	67	83	68		
23....	73	58	75	46	75	53	69	48	71	45	70	48	75	58	77	56	76	60	77	61	73	51	72	55	75	43	77	59	77	59		
24....	79	56	72	63	79	52	74	50	75	32	77	45	73	61	76	53	65	56	70	61	71	56	68	54	66	54	70	61	75	59		
25....	81	54	83	58	82	51	79	47	80	31	79	47	80	61	77	56	82	60	84	61	80	54	78	55	83	50	75	59	83	50	75	
26....	84	61	79	56	82	61	75	56	79	46	77	55	80	63	76	64	76	63	82	67	77	59	72	56	77	56	76	65	81	59	76	
27....	77	63	77	45	77	60	71	52	71	43	72	54	77	63	76	56	79	61	80	65	74	56	74	55	77	45	81	59	77	59		
28....	83	58	83	47	88	56	81	47	77	39	83	51	80	61	80	50	82	60	83	65	81	50	72	54	80	45	82	60	83	50	72	
29....	81	63	83	62	84	64	77	63	80	58	78	63	84	68	81	49	84	67	88	69	83	64	78	56	82	61	85	65	80	63	83	61
30....	80	65	80	53	81	61	74	56	71	42	76	58	82	65	74	60	79	65	82	69	76	64	74	55	77	52	82	66	80	63	80	
31....	75	59	67	52	65	58	64	52	69	37	67	51	76	63	76	53	78	60	81	64	68	54	70	54	-----	-----	76	64	70	59	64	
Mns..	81.9	64.1	84.4	57.2	83.8	62.5	80.7	58.4	83.4	47.4	83.1	57.7	81.6	66.3	81.1	59.0	82.9	65.5	84.8	67.5	82.0	61.5	79.6	59.5	*83.1	*56.0	78.2	65.7				

<sup>a</sup>, <sup>b</sup>, <sup>c</sup>, etc., indicate, respectively, 1, 2, 3, etc., days missing from the record.<sup>§</sup> Data are from standard instruments not supplied by the U. S. Weather Bureau.<sup>¶</sup> Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.